

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
7 November 2002 (07.11.2002)

PCT

(10) International Publication Number
WO 02/088208 A2

- (51) International Patent Classification⁷: **C08G**
- (21) International Application Number: PCT/US02/12961
- (22) International Filing Date: 25 April 2002 (25.04.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/286,880 27 April 2001 (27.04.2001) US
- (71) Applicant (*for all designated States except US*): **ARI-ZONA CHEMICAL COMPANY** [US/US]; Suite 500, 4600 Touchton Road, Jacksonville, FL 32246-8225 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **NELSON, Lloyd, A.** [US/US]; 107 Teakwood Drive, Savannah, GA 31410-1626 (US). **MOSBY, Nancy, D.** [US/US]; 1619 Wilmington Island Road, Savannah, GA 31410-4519 (US).
- (74) Agents: **PARKER, David, W.** et al.; Seed Intellectual Property Law Group PLLC, Suite 6300, 701 Fifth Avenue, Seattle, WA 98104-7092 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— *without international search report and to be republished upon receipt of that report*
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: POLYBASIC ACID ESTERS AND THEIR USE IN CABLES

(57) Abstract: A composition comprising a blend of first and second esters: the first ester comprising a reaction product of first reactants comprising trimer acid, first polyhydric alcohol and first monohydric alcohol; the first monohydric alcohol selected from the group of C8-18 monohydric alcohols; the second ester comprising a reaction product of second reactants comprising trimer acid, second polyhydric alcohol and second monohydric alcohol; the second monohydric alcohol selected from the group of C6-10 monohydric alcohols; the first and second monohydric alcohols being non-identical. This blend of esters, in combination with silica, is useful as a sealant composition, e.g., as a cable-protectant composition.



WO 02/088208 A2